

8

SWALLOW.  
AN  
ALMANACK  
for the year of our  
LORD GOD  
1652.

Being Bissextile or Leap-year,  
and from the Worlds Creation  
5662.

Calculated properly for the famous  
*Universitie and Town of*  
CAMBRIDGE;

Where the Pole is elevated 52 degrees  
and 17 min. above the Horizon

*The starres fought from Heaven: The starres  
in their courses fought against Sifera.*  
Judg. 5. 10.

CAMBRIDGE:  
Printed by the Printers to the  
*University.* 1652.

|                                |                  |
|--------------------------------|------------------|
| The Golden Number this year is | 19               |
| The Cycle of the Sun           | 9                |
| The Dominicall Letters         | D. C             |
| The Epact                      | 29               |
| Easter day                     | April the 18.    |
| Whitsunday                     | June the 6.      |
| Sundayes after Trinity         | 23               |
| Advent-Sunday                  | November the 28. |



## Of the Eclipses this year 1652.

There will be three Eclipses this year visible to us in England: the first whereof is an Eclipse of the Moon on the 15 day of *March*: it beginneth at 47 minutes past one in the morning, and endeth at five; the middle of it being at 24 minutes past three. *Saturn* and *Venus* rule the place Eclipsed, and *Mars* the mid-heaven: the effects continue untill the 20 day of *June*, in regard that the Eclipse lasteth three houres and 14. minutes; They are chiefly felt in those places that be under *Libra*, *Gemini*, and *Aquarius*.

The next is a great and terrible Eclipse of the Sunne on the 29 day of *March*, at 47 minutes past 9 in the forenoon, that being the middle time of the Eclipse. The beginning is at 33 minutes past 8, and the end at one minute past eleven. In this Eclipse *Mars* and *Jupiter* are chief Dominatours: it continueth two houres and 38 minutes,

minutes; the effects will therefore last till about the middle of *April* in the year of our Lord God 1654: and the places most like to feel them are such as be under *Aries*, *Taurus*, *Libra*, *Cancer*, and *Capricorn*. It is ill that two Eclipses should be in one moneth: For as *Hermes* speaketh, *Fiunt in mundo multa incommoda, quando erit in uno mense utriusque Luminaris Eclipsis, & præcipue in his locis quibus est significatio eorum specialis*; By which words is meant That many mischiefs should happen in the world when both the Luminaries are eclipsed in one moneth, especially in those places where there is a speciall signification of them: and such be the places under the signes already mentioned.

The next is an Eclipse of the Moon on the seventh day of *September*: it beginneth before the Moon riseth, viz. at 39 minutes past 4 of the clock in the afternoon. The middle is at 11 minutes past six, and the end at 43 minutes past seven. The Moon will therefore rise Eclipsed, and be then in her greatest obscuritie. The whole continuance is three houres and foure minutes; the effects will therefore last till about the eighth of *December* next after. *Jupiter* is Lord of it; the effects will therefore be so much the better: howbeit because it happeneth in the last Decade of *Pisces*, it threatneth great robberies both by Sea and Land, as *Proclus* saith. The places subject to the effects, be such as are under *Gemini*, *Sagittarius*, *Pisces*, and *Virgo*. And thus much of the Eclipses.

The Anatomie of Mans Body, as the parts thereof  
are governed by the twelve Signes.

♈ Head and face.

♈  
Neck and  
throat  
♊  
Breast, sto-  
mach & ribs  
♋  
Bowels and  
belly  
♌  
Secret mem-  
bers  
♍  
Knees



♊  
Arms and  
shoulders  
♋  
Heart and  
back  
♌  
Reins and  
loins  
♍  
Thighs  
♎  
Legs

♏ the Feet.

The beginning and ending of the Terms.

**T**He first of *Hilarie* Term shall be

On *January* the twentieth three :

And on the twelfth of *February*,

This Term doth end most certainly.

And *Easter* Term from *Easter* day,

The Wednesday fortnight 'gins alway:

And when the *Ascension* day is past,

Till Monday next this Term doth last.

On Friday after *Trinity*

This Term begins assuredly :

And as our Lawyers all do write,

It ends the Wednesday fortnight.

If *Michaelmas* Term you seek to find,

*October* the 23 now bear in mind :

It ends as I do well remember,

The twenty eighth day of *November*.



# January hath xxxi dayes.

New moon the first day, 46 minutes past 4 in the morning.  
 First quarter the 7 day, 39 minutes past 9 at night.  
 Full moon the 15 day, 4 minutes past 3 afternoon.  
 Last quarter the 23 day, 13 minutes past 7 at night.  
 New moon the 30 day, 14 minutes past 3 afternoon.

|    |   |                 |        |    |    |       |                     |
|----|---|-----------------|--------|----|----|-------|---------------------|
| 1  | a | New years day   | Capr.  | 25 | 8  | 3     | January enters with |
| 2  | b | Oct. Stephen    | Aqua.  | 10 | 8  | 2     | storms of snow or   |
| 3  | c | Oct. John       |        | 25 | 8  | 1     | rain.               |
| 4  | d | 2 Sun. aft Chr. | Pisc.  | 10 | 8  | 0     | Frosty weather.     |
| 5  | e | Simon B.        |        | 25 | 7  | 59    | ☐ 4 ☾               |
| 6  | f | Twelfth day     | Aries  | 9  | 7  | 58    | Wind and            |
| 7  | g | Julian          |        | 23 | 7  | 57    | snow.               |
| 8  | a | Lucian          | Taur.  | 6  | 7  | 55    | Frosty cold         |
| 9  | b | Erhardus        |        | 19 | 7  | 54    | weather.            |
| 10 | c | Sun in Aquar.   | Gem.   | 27 | 53 | ☐ 3 ☾ | Something           |
| 11 | d | Sun. aft. Epiph |        | 15 | 7  | 52    | milder.             |
| 12 | e | ☿ 14 43 ☾       |        | 27 | 7  | 51    | Some wind.          |
| 13 | f | Hilary bish.    | Canc.  | 10 | 7  | 49    | Frosty and cold     |
| 14 | g | Felix           |        | 22 | 7  | 47    | clouds with snow    |
| 15 | a | ☿ 22 20 ☾       | Leo    | 4  | 7  | 45    | this week.          |
| 16 | b | Marcellus       |        | 16 | 7  | 43    | ☉ 5 23 ☾            |
| 17 | c | Antonius        |        | 28 | 7  | 42    | Some wind.          |
| 18 | d | 2 Sun. af Epiph | Virg.  | 10 | 7  | 40    | The 18 and 19 a     |
| 19 | e | ☿ 24 8 ☾        |        | 21 | 7  | 38    | little warmer.      |
| 20 | f | Octab. Hilar.   | Libr.  | 3  | 7  | 36    | The 20 clear freez- |
| 21 | g | Ignes           |        | 15 | 7  | 34    | ing weather again.  |
| 22 | a | Vincentius      |        | 27 | 7  | 32    | At night wind blow- |
| 23 | b | Term begins     | Scorp. | 10 | 7  | 30    | ing up snow.        |
| 24 | c | Timotheus       |        | 23 | 7  | 28    | Freezing still.     |
| 25 | d | Conv. of Paul.  | Sagit. | 6  | 7  | 26    | ☉ 14 32 ☾           |
| 26 | e | Pollicarpus     |        | 20 | 7  | 24    | Wind and storms     |
| 27 | f | Quind. Hilar.   | Capr.  | 4  | 7  | 23    | the 26 & 27. The    |
| 28 | g | ☿ 4 46 ☾        |        | 18 | 7  | 21    | 28 cold & cloudy.   |
| 29 | a | Marcellinus     | Aqua.  | 3  | 7  | 19    | The 29 more mild.   |
| 30 | b | Delgune         |        | 19 | 7  | 17    | The 30 & 31 some    |
| 31 | c | Saturus         | Pisces | 4  | 7  | 15    | wind and storms.    |

# February hath xxix dayes.

First quarter the 6 day, 12 minutes past 9 in the morning.  
 Full moon the 14 day, at 10 in the forenoon.  
 Last quarter the 22 day, 4 minutes past 9 in the morning.  
 New moon the 29 day, near one in the morning.

|    |          |                  |        |    |   |    |           |                     |
|----|----------|------------------|--------|----|---|----|-----------|---------------------|
| 1  | <b>D</b> | 4 Sun. af. Epiph | Pisc.  | 19 | 7 | 14 | ♂ ♀ ☾     | warm                |
| 2  | <b>e</b> | Purif. of Mary   | Aries  | 4  | 7 | 12 | ☾ ☼ ☾     | Colder.             |
| 3  | <b>f</b> | Craft. Purif.    |        | 19 | 7 | 11 |           | Snow-like.          |
| 4  | <b>g</b> | Gilbert          | Taur.  | 2  | 7 | 9  |           | Frosty weather.     |
| 5  | <b>a</b> | Agath. b'rg.     |        | 16 | 7 | 8  |           | something colder.   |
| 6  | <b>b</b> | Dorothy          |        | 29 | 7 | 6  |           | some wind.          |
| 7  | <b>c</b> | Ingulph          | Gem.   | 12 | 7 | 4  | ☼ ♀ ☾     |                     |
| 8  | <b>D</b> | 5 Sun. af. Epiph |        | 24 | 7 | 2  |           | Great winds and     |
| 9  | <b>e</b> | Sun in Pisces    | Canc.  | 7  | 7 |    |           | owet.               |
| 10 | <b>f</b> | Octab. Purif.    |        | 19 | 6 | 5  |           | Cloudy & cold, and  |
| 11 | <b>g</b> | Term ends.       | Leo    | 1  | 6 | 5  |           | like to snow.       |
| 12 | <b>a</b> | Bother           |        | 13 | 6 | 5  | ☉ 3 42 ✕  |                     |
| 13 | <b>b</b> | woolstan         |        | 25 | 6 | 5  |           | windy. ♂ ♀ ☾        |
| 14 | <b>c</b> | Valentine        | Virg.  | 7  | 6 | 5  | ☼ ☼ ☾     | Fairer              |
| 15 | <b>D</b> | Septuagesima     |        | 19 | 6 | 4  |           | weather.            |
| 16 | <b>e</b> | Juliana          | Libra  | 0  | 6 | 4  |           | Frost, snow, windy  |
| 17 | <b>f</b> | Polyepronius     |        | 12 | 6 | 4  |           | and very cold about |
| 18 | <b>g</b> | Simeon B.        |        | 24 | 6 | 4  |           | these dayes.        |
| 19 | <b>a</b> | Sabine           | Scorp. | 7  | 6 | 4  | ☉ 10 43 ✕ |                     |
| 20 | <b>b</b> | Whitred          |        | 19 | 6 | 4  |           | wind and ☼ ♀ ☾      |
| 21 | <b>c</b> | 79 Martyrs       | Sag.   | 2  | 6 | 3  |           | wet ☼ ♂ ☾           |
| 22 | <b>D</b> | Sexagesima       |        | 15 | 6 | 3  |           | Some wind.          |
| 23 | <b>e</b> | Polycarp B.      |        | 29 | 6 | 3  | ☼ ☼ ♀     |                     |
| 24 | <b>f</b> | Intercalatio.    | Capr.  | 13 | 6 | 3  |           | rain and various    |
| 25 | <b>g</b> | Matthias Apost   |        | 27 | 6 | 3  |           | weather.            |
| 26 | <b>a</b> | Constance        | Aqua.  | 12 | 6 | 2  |           | * ♀ ☾               |
| 27 | <b>b</b> | Alexander        |        | 27 | 6 | 2  |           | wind and            |
| 28 | <b>c</b> | Augustine        | Pisc.  | 12 | 6 | 2  |           | storms.             |
| 29 | <b>D</b> | Shrove Sunday    |        | 27 | 6 | 2  | ☼ ☼ ☾     |                     |

# March hath xxxi dayes.

First quarter the sixth day, 48 minutes past ten at night.

Full moon (eclipsed) the 15 day, 54 min. past 3. morning.

Last quarter the 22 day, 50 minutes past six at night.

New moon (sun eclipsed) the 29 day, 13 min. past 10 morn.

*Fiunt in mundo multa incommoda, quando eris in uno mense utriusque  
Luminaris eclipsis.*

|    |   |                     |         |      |    |                                      |
|----|---|---------------------|---------|------|----|--------------------------------------|
| 1  | D | David B.            | Aries   | 12 6 | 20 | March begins with                    |
| 2  | E | Chadde              |         | 27 6 | 17 | snow or cold                         |
| 3  | F | Ashwednesday        | Taur.   | 11 6 | 15 | rain. $\Delta$ $\Psi$ $\subset$      |
| 4  | G | Adrian              |         | 25 6 | 12 | Some winde.                          |
| 5  | A | Q 20 22 V           | Gem.    | 8 6  | 10 | $\odot$ 25 40 $\times$               |
| 6  | H | Frideline           |         | 21 6 | 8  | The 6 and 9 dayes                    |
| 7  | C | Quadragesima        | Canc.   | 4 6  | 6  | cold rain or snow.                   |
| 8  | D | Felix               |         | 16 6 | 4  | $\boxtimes$ $\delta$ $\subset$       |
| 9  | E | 40 Martys           |         | 28 6 | 2  | $\boxtimes$ $\phi$ $\subset$         |
| 10 | F | Sun in Aries.       | Leo     | 10 6 | 0  | Vernal equinox.                      |
| 11 | G | $\Psi$ 10 40 $\Psi$ |         | 22 5 | 58 | $\Delta$ $\delta$ $\subset$          |
| 12 | A | Gregory             | Virg.   | 3 5  | 56 | Tempestuous wea-                     |
| 13 | B | Euphrase            |         | 15 5 | 54 | ther.                                |
| 14 | C | 2 fund. in lent.    |         | 27 5 | 52 | $\star$ $\hbar$ $\subset$            |
| 15 | D | $\odot$ 5 34 V      | Libra   | 9 5  | 50 | Wind and storms of                   |
| 16 | E | Boniface            |         | 21 5 | 48 | hail. $\delta$ $\delta$ $\subset$    |
| 17 | F | Gertrude            | Scorp.  | 4 5  | 46 | $\delta$ $\phi$ $\subset$ rain       |
| 18 | G | Edward B.           |         | 16   | 44 | Wind $\boxtimes$ $\phi$ $\subset$    |
| 19 | A | Joseph hus. m       |         | 29 5 | 42 | $\Delta$ $\hbar$ $\subset$           |
| 20 | B | Euthbert            | Sagit.  | 12 5 | 40 | $\Delta$ $\odot$ $\subset$ cloudy    |
| 21 | C | 3 fund. in lent.    |         | 25 5 | 38 | Very great winds                     |
| 22 | D | $\Psi$ 11 9 $\Psi$  | Capric. | 9 5  | 36 | mixed with some                      |
| 23 | E | $\delta$ 29 28 V    |         | 23 5 | 34 | thunder and                          |
| 24 | F | Agapitus m.         | Aquar.  | 7 5  | 32 | rain.                                |
| 25 | G | Anpun. Mary         |         | 21 5 | 30 | Better weather                       |
| 26 | A | Castul              | Pisc.   | 6 5  | 28 | follows.                             |
| 27 | B | $\phi$ 1 36 V       |         | 21 5 | 26 | $\star$ $\phi$ $\subset$             |
| 28 | C | Midlent Sunday      | Aries   | 5 5  | 24 | Great winds.                         |
| 29 | D | Eustace             |         | 20 5 | 22 | $\boxtimes$ $\hbar$ $\subset$ cloudy |
| 30 | E | Quirinus            | Taur.   | 5 5  | 20 | The last day turbu-                  |
| 31 | F | $\Psi$ 11 52 $\Psi$ |         | 29 5 | 18 | lent stormie.                        |

# April hath xxx. dayes.

First quarter the 5 day, at 4 afternoon.

Full moon the 13 day, 25 min. past 7 at night.

Last quarter the 21 day, 45 min. past one in the morning.

New moon the 27 day, 52 min. past 7 at night.

|    |                          |        |      |    |                     |
|----|--------------------------|--------|------|----|---------------------|
| 1  | <b>G</b> Hugo            | Gem.   | 3 5  | 16 | April begins with   |
| 2  | <b>A</b> Mary Egypt      |        | 16 5 | 14 | snow, wind, rain or |
| 3  | <b>B</b> Richard B.      |        | 29 5 | 12 | hail: and doth also |
| 4  | <b>C</b> 5 sund. in lent | Canc.  | 12 5 | 10 | afford wind and     |
| 5  | <b>D</b> ☉ 26 8 ♀        |        | 24 5 | 9  | storms about the 5, |
| 6  | <b>E</b> Sirtus          | Leo    | 6 5  | 7  | 6, & 7 dayes.       |
| 7  | <b>F</b> Egesippus       |        | 18 5 | 5  |                     |
| 8  | <b>G</b> h 22 4 ☿        | Virg.  | 0 5  | 4  | ☿ ♀ ☾               |
| 9  | <b>A</b> Sun in Taurus   |        | 12 5 | 2  | Thunder-like.       |
| 10 | <b>B</b> 7 Virg. mart.   |        | 24 5 | 0  | * ☿ ☾               |
| 11 | <b>C</b> Palm-sunday     | Libra  | 6 4  | 58 | ☿ ♀ ☾               |
| 12 | <b>D</b> Julius          |        | 18 4 | 56 | ☿ h ☾               |
| 13 | <b>E</b> Justin          | Scorp. | 0 4  | 54 | Great winds and     |
| 14 | <b>F</b> Alburtius       |        | 13 4 | 52 | cold.               |
| 15 | <b>G</b> Olympa          |        | 26 4 | 51 | ☿ h ☾               |
| 16 | <b>A</b> ☿ 16 58 ☿       | Sagit  | 9 4  | 49 | Rain or thunder.    |
| 17 | <b>B</b> ☉ 9 18 ☿        |        | 22 4 | 47 | ☿ ♀ ☾               |
| 18 | <b>C</b> Easter day      | Capr.  | 6 4  | 45 | The 18 and 19       |
| 19 | <b>D</b> Osimond         |        | 19 4 | 43 | wind again.         |
| 20 | <b>E</b> h 22 45 ☿       | Aqua.  | 3 4  | 42 | ☉ 11 22 ☿           |
| 21 | <b>F</b> Simeon B.       |        | 17 4 | 40 | ☿ ☾ ☾               |
| 22 | <b>G</b> Sother B.       | Pisces | 1 4  | 38 | Rushing winds and   |
| 23 | <b>A</b> George mart.    |        | 16 4 | 37 | storms, and perhaps |
| 24 | <b>B</b> Adelberg        | Aries  | 0 4  | 35 | hunder.             |
| 25 | <b>C</b> Mark Evang.     |        | 14 4 | 33 | * ♀ ☾               |
| 26 | <b>D</b> Cleate B.       |        | 29 4 | 32 | score of            |
| 27 | <b>E</b> Anastatus       | Taur.  | 13 4 | 30 | showers.            |
| 28 | <b>F</b> Vitalis         |        | 27 4 | 28 | Thunder or wind,    |
| 29 | <b>G</b> ☉ 21 41 ☿       | Gem.   | 11 4 | 26 | with April          |
| 30 | <b>A</b> Erkenwald       |        | 24 4 | 25 | showers.            |

# May hath xxxi dayes.

First quarter the 5 day, 27 minutes past 9 before noon.  
Full moon the 13 day, 7 minutes past 8 in the morning.  
Last quarter the 20 day, 4 minutes past 7 in the morning.  
New moon the 27 day, 6 minutes past 6 in the morning.

|    |   |                    |        |      |    |                     |
|----|---|--------------------|--------|------|----|---------------------|
| 1  | b | Philip & James     | Canc.  | 7 4  | 23 | Very fine           |
| 2  | d | 2 fund. aft. East  |        | 20 4 | 21 | weather.            |
| 3  | d | Quind. Pasch.      | Leo    | 2 4  | 20 | * ♂ ☾               |
| 4  | e | Florianus.         |        | 14 4 | 18 | A little cool.      |
| 5  | f | Term begins        |        | 26 4 | 17 | Some moisture.      |
| 6  | g | 12 7 ♀             | Virg.  | 8 4  | 15 | * ♀ ☾               |
| 7  | a | 27 2 ♂             |        | 20 4 | 13 | Cold wind.          |
| 8  | b | Stanislaus         | Libra  | 2 4  | 12 | Δ ♂ ☾               |
| 9  | d | 3 fund. aft. East. |        | 14 4 | 10 | Some thunder        |
| 10 | d | Tres Pasch.        |        | 26 4 | 9  | about these dayes   |
| 11 | e | Sun in Gem.        | Scorp. | 9 4  | 8  | otherwise fair      |
| 12 | f | Pancrate           |        | 22 4 | 7  | enough.             |
| 13 | g | Servatius          | Sagit. | 5 4  | 6  | Hot weather.        |
| 14 | a | ♀ 13 0 ☾           |        | 18 4 | 5  | ☉ 3 45 II           |
| 15 | b | Sophia             | Capr.  | 2 4  | 4  | Wind and            |
| 16 | d | 4 fund. aft. East  |        | 16 4 | 2  | rain.               |
| 17 | d | Mens. Pasch.       | Aquar. | 0 4  | 1  | Cloudy.             |
| 18 | e | Potentius          |        | 14 4 | 0  | Δ ♂ ☾               |
| 19 | f | ♀ 0 13 ☾           |        | 28 3 | 58 | Δ ♀ ☾               |
| 20 | g | Bernhardine        | Pisc.  | 12 3 | 57 | Tempestuous.        |
| 21 | a | 15 27 ☾            |        | 26 3 | 56 | Hot pleasant        |
| 22 | b | ☉ 11 24 II         | Aries  | 10 3 | 55 | weather till        |
| 23 | d | Regation fund.     |        | 24 3 | 52 | the 26, excepting   |
| 24 | d | Quinq. Pasch.      | Taur.  | 8 3  | 51 | some sudden drops   |
| 25 | e | Urbanus            |        | 22 3 | 51 | on the 23.          |
| 26 | f | Bede               | Gem.   | 6 3  | 50 | The 26 cool and     |
| 27 | g | Ascension day      |        | 19 3 | 50 | missing: after that |
| 28 | a | ☉ 17 7 II          | Canc.  | 2 3  | 49 | great heat and      |
| 29 | b | ♀ 29 41 ☾          |        | 15 3 | 49 | lightning.          |
| 30 | d | 6 Sun. aft. East.  |        | 28 3 | 48 | The 29 fair and     |
| 31 | d | Term ends          | Leo    | 10 3 | 48 | windy.              |

# June hath xxx dayes.

First quarter the 4 day, 18 min. past 3 in the morning.  
Full moon the 11 day, 10 minutes past 6 at night.  
Last quarter the 18 day, 9 minutes past noon.  
New moon the 25 day, 41 minutes past 5 afternoon.

|    |   |                  |        |    |   |    |                      |
|----|---|------------------|--------|----|---|----|----------------------|
| 1  | e | Picomedes        | Leo    | 22 | 3 | 48 | Excellent good       |
| 2  | f | Marceline        | Virg.  | 4  | 3 | 47 | weather for many     |
| 3  | g | Grasius          |        | 16 | 3 | 47 | dayes.               |
| 4  | a | Petroſus         |        | 28 | 3 | 46 | ☐ ♀ ☾                |
| 5  | b | Boniface         | Libr.  | 10 | 3 | 46 | ☐ ♀ ☾                |
| 6  | - | Wm. Sunday       |        | 22 | 3 | 45 | △ ♂ ☾                |
| 7  | d | woſtane          | Scorp. | 4  | 3 | 45 | ♂ ☉ ♀ Great          |
| 8  | e | Medard           |        | 17 | 3 | 44 | wind and thunder     |
| 9  | f | ☉ 28 32 II       | Sag.   | 0  | 3 | 44 | ſtorms with hot      |
| 10 | g | Onophrius        |        | 13 | 3 | 43 | weather this         |
| 11 | a | Sun in Cancer    |        | 27 | 3 | 43 | week.                |
| 12 | b | Baſil            | Capr.  | 11 | 3 | 43 | ☉ 1 24 ☽             |
| 13 | c | Trinity Sunday   |        | 25 | 3 | 43 | Something cool and   |
| 14 | d | Valerius         | Aqu.   | 10 | 3 | 43 | moiſt.               |
| 15 | e | Vitus            |        | 24 | 3 | 44 | ☉ 4 15 ☽             |
| 16 | f | ☉ 5 12 ☽         | Piſc.  | 9  | 3 | 44 | The 15 or 16 day     |
| 17 | g | Botolph          |        | 23 | 3 | 45 | intemperate.         |
| 18 | a | Ter. n begins    | Aries  | 7  | 3 | 45 | Some wind and rain   |
| 19 | b | Gerbaſe          |        | 21 | 3 | 46 | with thunder.        |
| 20 | c | 1 Sund. aft. Tr. | Taur.  | 5  | 3 | 46 | The 20 hot ſun-ſhine |
| 21 | d | ☉ 10 1 ☽         |        | 18 | 3 | 47 | unleſſe Saturn       |
| 22 | e | XM Martyns       | Gem.   | 2  | 3 | 47 | darken the air.      |
| 23 | f | Edeltrude        |        | 15 | 3 | 48 | Temperate and        |
| 24 | g | John Baptiſt     |        | 28 | 3 | 48 | good * ♀ ☾           |
| 25 | a | Eligius          | Canc.  | 11 | 3 | 49 | Very hot and like    |
| 26 | b | ☉ 15 7 ☽         |        | 24 | 3 | 49 | to be ſome thunder   |
| 27 | c | 2 Sund. aft. Tr. | Leo    | 6  | 3 | 50 | therewiſh.           |
| 28 | d | ♀ 24 54 II       |        | 18 | 3 | 50 | ☉ 17 9 ☽             |
| 29 | e | Peter Apolt.     | Virg.  | 0  | 3 | 51 | ☿ is newly entred    |
| 30 | f | ☉ 19 11 ☽        |        | 12 | 3 | 52 | into Leo.            |

# July hath xxxi. dayes.

First quarter the 3 day, 17 min. past 8 at night.

Full moon the 11 day, 38 minutes past 2 in the morning.

Last quarter the 17 day, 10 minutes past 6 afternoon.

New moon the 25 day, 19 min. past 7 in the morning.

|    |          |                      |         |    |   |    |                      |    |    |            |
|----|----------|----------------------|---------|----|---|----|----------------------|----|----|------------|
| 1  | <b>g</b> | <b>Theobald</b>      | Virg:   | 24 | 3 | 53 | Some                 | ☐  | ♀  | ☾          |
| 2  | <b>a</b> | <b>Visitat. Mary</b> | Libra   | 6  | 3 | 54 | ☐                    | ♂  | ☾  | wind and   |
| 3  | <b>b</b> | ☉ 21 23 ☽            |         | 18 | 3 | 55 | fair.                | △  | ♂  | ♀          |
| 4  | <b>c</b> | 3 Sund. aft. Tr.     | Scorp.  | 0  | 3 | 57 | A thick              | △  | ♀  | ☾          |
| 5  | <b>d</b> | <b>Anselm</b>        |         | 12 | 3 | 58 | air.                 | *  | ♀  | ☾          |
| 6  | <b>e</b> | ♂ 5 36 ♀             |         | 25 | 3 | 59 | ☐                    | ♀  | ☾  | calm and   |
| 7  | <b>f</b> | <b>Nicostate</b>     | Sag.    | 8  | 4 | 0  | clear.               |    |    | Term ends. |
| 8  | <b>g</b> | <b>Chiltan us</b>    |         | 21 | 4 | 1  | something cool.      |    |    |            |
| 9  | <b>a</b> | <b>Cytil</b>         | Capric. | 5  | 4 | 2  | ♂                    | ♀  | ☾  | wind and   |
| 10 | <b>b</b> | 7 Brethren           |         | 20 | 4 | 4  | storms.              |    |    |            |
| 11 | <b>c</b> | 4 Sun. aft. Tr.      | Aquar   | 4  | 4 | 5  | ♂                    | ♂  | ☾  |            |
| 12 | <b>d</b> | ♀ 13 16 ♀            |         | 19 | 4 | 6  | ☉                    | 29 | 58 | ☽          |
| 13 | <b>e</b> | Sun in Leo           | Pisces  | 4  | 4 | 7  | *                    | ♂  | ☾  |            |
| 14 | <b>f</b> | ♀ 17 29 ☽            |         | 19 | 4 | 8  | Thunder, wind and    |    |    |            |
| 15 | <b>g</b> | <b>Divis. Apost</b>  | Aries   | 3  | 4 | 9  | hail about these     |    |    |            |
| 16 | <b>a</b> | ☉ 3 47 ♀             |         | 17 | 4 | 10 | dayes.               |    |    |            |
| 17 | <b>b</b> | <b>Alexus</b>        | Taur.   | 1  | 4 | 12 | ☐                    | ♂  | ☾  |            |
| 18 | <b>c</b> | 5 Sund aft. Tr.      |         | 15 | 4 | 13 | Rain                 | △  | ♀  | ☾          |
| 19 | <b>d</b> | Dog-daies beg.       |         | 28 | 4 | 15 | *                    | ♀  | ☾  |            |
| 20 | <b>e</b> | <b>Margaret</b>      | Gem.    | 12 | 4 | 17 | *                    | ☉  | ☾  |            |
| 21 | <b>f</b> | <b>Arbogast</b>      |         | 25 | 4 | 18 | West wind.           |    |    |            |
| 22 | <b>g</b> | <b>Mary Magd</b>     | Canc.   | 7  | 4 | 20 | ♂                    | ♂  | ☾  | white      |
| 23 | <b>a</b> | <b>Appollin</b>      |         | 20 | 4 | 21 | clouds, hot and like |    |    |            |
| 24 | <b>b</b> | <b>Christin</b>      | Leo     | 2  | 4 | 23 | to thunder.          |    |    |            |
| 25 | <b>c</b> | James Apost.         |         | 15 | 4 | 25 | ♂                    | ☉  | ☾  |            |
| 26 | <b>d</b> | <b>Anna</b>          |         | 27 | 4 | 26 | ☉                    | 13 | 21 | ♀          |
| 27 | <b>e</b> | <b>Martha</b>        | Virg.   | 9  | 4 | 28 | △                    | ♂  | ☾  | some       |
| 28 | <b>f</b> | <b>Panthaleon</b>    |         | 21 | 4 | 30 | rain at night.       |    |    |            |
| 29 | <b>g</b> | <b>Beatrice</b>      | Libra   | 2  | 4 | 32 | *                    | ♂  | ☾  |            |
| 30 | <b>a</b> | <b>Abdon</b>         |         | 14 | 4 | 34 | ♂                    | ☉  | ♀  | windy      |
| 31 | <b>b</b> | <b>Germane</b>       |         | 26 | 4 | 36 | weather.             |    |    |            |



# August hath xxxi. dayes.

First quarter the second day, 35 minutes past 11 morning.  
 Full moon the 9 day, 24 minutes past ten before noon.  
 Last quarter the 16 day, 15 minutes past two morning.  
 New moon the 23 day, 25 minutes past ten at night.

|    |   |                  |        |      |    |                     |
|----|---|------------------|--------|------|----|---------------------|
| 1  | 7 | Sund. aft. Tr.   | Scorp. | 8 4  | 37 | This moneth is      |
| 2  | d | Stephen          |        | 20 4 | 39 | like to afford much |
| 3  | e | 21 2             | Sag.   | 3 4  | 41 | hot weather, espe-  |
| 4  | f | Priscarchus      |        | 16 4 | 42 | cially about the    |
| 5  | g | Olwald           |        | 29 4 | 44 | tenth day.          |
| 6  | a | Sixtus           | Capr.  | 13 4 | 46 |                     |
| 7  | b | Marice           |        | 28 4 | 48 | Very hot now and    |
| 8  | c | 8 Sund. aft. Tr. | Aquar. | 13 4 | 49 | afterwards.         |
| 9  | d | 2 enters         |        | 28 4 | 51 | ☉ ☉ ☾               |
| 10 | e | ♂ h ♂            | Pisces | 13 4 | 53 | Thunder and hail    |
| 11 | f | Eburcius         |        | 28 4 | 55 | with much           |
| 12 | g | Clare            | Aries  | 13 4 | 57 | lightning.          |
| 13 | a | Sun in Virgo.    |        | 27 4 | 58 | △ 24 ☾              |
| 14 | b | Eusebius         | Taur.  | 11 5 | 0  | △ ♀ ☾               |
| 15 | c | 9 Sund. aft. Tr. |        | 25 5 | 2  | △ ♀ ☾               |
| 16 | d | Roch             | Gem.   | 9 5  | 4  | Some wind,          |
| 17 | e | ☉ 4 31 ♀         |        | 22 5 | 5  | Great winds the     |
| 18 | f | Helen            | Canc.  | 4 5  | 7  | 17 and 18.          |
| 19 | g | Hebalbus         |        | 17 5 | 9  | The 19 and 20       |
| 20 | a | Samuel           |        | 29 5 | 11 | lightning and       |
| 21 | b | Cypriaca         | Leo    | 11 5 | 13 | rain.               |
| 22 | c | 10 Sund. af. Tr. |        | 24 5 | 15 | ☉ 9 22 ♀            |
| 23 | d | Zacheus          | Virg.  | 5 5  | 17 | Windie storms,      |
| 24 | e | Bartholomew.     |        | 17 5 | 19 | and so on the       |
| 25 | f | Leewis           |        | 29 5 | 21 | 25 day.             |
| 26 | g | Irenens          | Libra  | 11 5 | 23 | ☉ 13 15 ♀           |
| 27 | a | Dog dayes end    |        | 23 5 | 25 | The 29 verie        |
| 28 | b | Augustine        | Scorp. | 5 5  | 27 | hot and like to     |
| 29 | c | 11 Sund. af. Tr. |        | 17 5 | 29 | thunder.            |
| 30 | d | Felix presb.     |        | 29 5 | 32 | * ♀ ☾               |
| 31 | e | Paulinus         | Sag.   | 11 5 | 34 | * ♀ ☾               |

# September hath xxx. dayes.

First quarter the first day, 16 min. before one in the morn.  
 Full moon the 7 day (eclipsed) 28 minutes past 6 at night.  
 Last quarter the 14 day, 3 minutes past one afternoon.  
 New moon the 22 day, at 4 afternoon.  
 First quarter the last day, almost at noon.

|    |   |                  |        |    |   |    |                       |   |   |           |
|----|---|------------------|--------|----|---|----|-----------------------|---|---|-----------|
| 1  | f | Egidius          | Sagit. | 25 | 5 | 36 | Rain-like             | ☐ | ♀ | ☾         |
| 2  | g | Geronica         | Capr.  | 8  | 5 | 38 | ♂                     | ♂ | ☾ | some wind |
| 3  | a | ☉ 21 3 ♀         |        | 22 | 5 | 40 | the 2 & 3             |   |   | cloudy    |
| 4  | b | Theodora         | Aqua.  | 6  | 5 | 42 | 8                     | h | ☾ |           |
| 5  | a | 12 sun. aft. Tr. |        | 21 | 5 | 44 | Hot and clear.        |   |   |           |
| 6  | d | Magnus           | Pisc.  | 6  | 5 | 46 | ♂                     | ☉ | ♀ | Hot and   |
| 7  | e | Regina           |        | 21 | 5 | 48 | thunder-like.         |   |   |           |
| 8  | f | Nativ. of Mary   | Aries  | 6  | 5 | 50 | Something cooler.     |   |   |           |
| 9  | g | Gorgontius       |        | 21 | 5 | 52 | 8                     | ♀ | ☾ | some wind |
| 10 | a | ♂ 3 40 ♀         | Taur.  | 6  | 5 | 54 | Fair                  | △ | ♂ | ☾         |
| 11 | b | ☉ 28 52 ♀        |        | 20 | 5 | 56 | Turbulent and         |   |   |           |
| 12 | c | 13 sund. aft. Tr | Gem.   | 4  | 5 | 58 | Stormy.               |   |   |           |
| 13 | d | Sun in Libra     |        | 18 | 6 | 0  | ☐                     | ♀ | ☾ |           |
| 14 | e | Holy rood        | Cancer | 1  | 6 | 2  | Fair and good.        |   |   |           |
| 15 | f | Nichodemus       |        | 14 | 6 | 4  | *                     | ♀ | ☾ |           |
| 16 | g | Euphemia         |        | 26 | 6 | 7  | Great winds and       |   |   |           |
| 17 | a | ♂ 17 56 ♀        | Leo    | 9  | 6 | 9  | some wet              |   |   |           |
| 18 | b | ♀ 27 24 ☾        |        | 21 | 6 | 11 | also.                 |   |   |           |
| 19 | c | 14 sund. aft. Tr | Virgo  | 2  | 6 | 13 | West wind and         |   |   |           |
| 20 | d | Sancta           |        | 14 | 6 | 15 | warm.                 |   |   |           |
| 21 | e | Matthew Apostl   |        | 26 | 6 | 17 | ☉ 8 43 ☾              |   |   |           |
| 22 | f | ☉ 9 42 ☾         | Libra  | 8  | 6 | 19 | Cloudy                | ☐ | ♂ | ☾         |
| 23 | g | Eliaz            |        | 20 | 6 | 21 | Cold winds with       |   |   |           |
| 24 | a | Samuel           | Scorp. | 2  | 6 | 23 | snow, rain, or sleety |   |   |           |
| 25 | b | ♂ 5 2 ♀          |        | 14 | 6 | 25 | wet weather.          |   |   |           |
| 26 | c | 15 sund. aft. Tr |        | 26 | 6 | 27 | Warmer.               |   |   |           |
| 27 | d | ☉ 14 38 ☾        | Sagit. | 9  | 6 | 29 | Rain or thunder       |   |   |           |
| 28 | e | Winceslaus       |        | 21 | 6 | 31 | Good weather          |   |   |           |
| 29 | f | Michael Arch.    | Capr.  | 4  | 6 | 33 | follows.              |   |   |           |
| 30 | g | Hierom           |        | 18 | 6 | 35 | Some wind.            |   |   |           |

# October hath xxxi dayes.

Full moon the 7 day, 30 minutes past 3 in the morning.  
 Last quarter the 14 day, 27 minutes past 4 morning.  
 New moon the 22 day, 38 minutes past 9 before noon.  
 First quarter the 29 day, 23 minutes past 9 at night.

|    |   |                    |        |     |    |   |    |    |                    |
|----|---|--------------------|--------|-----|----|---|----|----|--------------------|
| 1  | a | Remigius           | Aquar. | 16  | 37 | ☉ | 18 | 37 | ☿                  |
| 2  | b | Leodegar           |        | 156 | 39 |   |    |    | Dark and cloudy,   |
| 3  | c | 16. sund. aft. Tr. | Pisc.  | 06  | 41 |   |    |    | Great winds and    |
| 4  | d | Francis            |        | 146 | 43 |   |    |    | rain. ☿ ♀ ☾        |
| 5  | e | ☉ 22 35 ☿          |        | 296 | 45 | ☿ | ☿  | ☾  |                    |
| 6  | f | Octab. Mich.       | Aries  | 146 | 47 | ♂ | ♀  | ☾  |                    |
| 7  | g | ♀ 17 49 ☿          |        | 296 | 49 | ☿ | ☿  | ☾  |                    |
| 8  | a | ☉ 25 35 ☿          | Taur.  | 146 | 51 |   |    |    | Wet ☿ ♀ ☾          |
| 9  | b | Dionysius          |        | 296 | 53 | ♀ | 18 | 24 | ☿                  |
| 10 | c | 17 sun. aft. Tr.   | Gem.   | 136 | 55 |   |    |    | Warm ☿ ♂ ☾         |
| 11 | d | Burchard           |        | 276 | 56 |   |    |    | weather.           |
| 12 | e | Colman             | Canc.  | 106 | 58 |   |    |    | Some ☿ ☿ ☾         |
| 13 | f | Sun in Scorpio.    |        | 237 |    |   |    |    | wind. ☿ ♀ ☾        |
| 14 | g | Calixtus           | Leo    | 57  | 2  | ☿ | ☉  | ☾  |                    |
| 15 | a | Hedwig             |        | 177 | 4  | ♂ | h  | ☾  | cloudy             |
| 16 | b | Gallus             |        | 297 | 6  | * | ☉  | ☾  |                    |
| 17 | c | 18 sun. aft. Tr.   | Virgo  | 117 | 8  | ☿ | ☿  | ☾  |                    |
| 18 | d | Luke Evang.        |        | 237 | 9  |   |    |    | Rain. ♂ ♀ ☾        |
| 19 | e | h 12 20 ☿          | Libra  | 57  | 11 |   |    |    | Wind. ☿ ☿ ☾        |
| 20 | f | Tres Mich.         |        | 177 | 12 | ♂ | ♀  | ☾  |                    |
| 21 | g | Arsula             |        | 297 | 14 |   |    |    | Wind & * ☉ ☿       |
| 22 | a | Cordula            | Scorp. | 117 | 15 |   |    |    | rain. ☿ h ☾        |
| 23 | b | Severine           |        | 237 | 17 |   |    |    | Term begins        |
| 24 | c | 19 sun. aft. Tr.   | Sag.   | 67  | 19 | ☉ | 11 | 37 | ☿                  |
| 25 | d | ☉ 12 37 ☿          |        | 187 | 20 |   |    |    | Dark, cold, cloudy |
| 26 | e | Imandus            | Capr.  | 17  | 22 |   |    |    | weather.           |
| 27 | f | Menl. Mich.        |        | 157 | 24 |   |    |    | Inordinate winds.  |
| 28 | g | Simon & Jude       |        | 297 | 26 | ☿ | ♀  | ☾  |                    |
| 29 | a | Parcellus          | Aqu.   | 127 | 27 |   |    |    | Cold rain or thick |
| 30 | b | Theonestus         |        | 257 | 29 |   |    |    | clouds.            |
| 31 | c | 20 Sun. aft. Tr.   | Pisc.  | 107 | 31 | * | ☿  | ☾  | Fair.              |

# November hath xxx. dayes.

Full moon the 5 day, 6 minutes past 2 afternoon.  
 Last quarter the 12 day, 36 minutes past 11 at night.  
 New moon the 21 day, 14 minutes past 2 in the morning.  
 First quarter the 28 day, 9 minutes past 6 in the morning.

|    |   |                   |        |    |   |    |                    |           |
|----|---|-------------------|--------|----|---|----|--------------------|-----------|
| 1  | D | All Saints.       | Pisces | 24 | 7 | 33 | Cloudy             | ♂ ♂ ☾     |
| 2  | E | ☉ 20 42 m         | Aries  | 8  | 7 | 35 | ♂ ♀ ☾              | rainy     |
| 3  | F | Craft. Animar.    |        | 23 | 7 | 37 |                    | weather.  |
| 4  | G | ♀ 6 40 ☾          | Taur.  | 8  | 7 | 39 | Wind and           | ♂ ♀ ☾     |
| 5  | A | Powder treason    |        | 22 | 7 | 40 | cold               | ♂ ☉ ☾     |
| 6  | B | Leonard           | Gem.   | 7  | 7 | 42 | storms             | * ♃ ♀     |
| 7  | C | 21 Sun. aft. Tr.  |        | 21 | 7 | 43 | of snow, sleet, or |           |
| 8  | D | ☉ 26 46 m         | Canc.  | 5  | 7 | 45 | rain, often about  |           |
| 9  | E | Theodoze          |        | 18 | 7 | 47 | these dayes.       |           |
| 10 | F | h 12 53 ☿         | Leo    | 1  | 7 | 48 | ☼ ♃ ♀              | Frost and |
| 11 | G | Martin bish.      |        | 13 | 7 | 50 | snow, or cold      |           |
| 12 | A | Sun in Sagit.     |        | 26 | 7 | 51 | rain. ☼ ♀ ☾        |           |
| 13 | B | Wlce              | Virgo  | 8  | 7 | 52 | Milder             | Δ ♃ ☾     |
| 14 | C | 22 Sun. aft. Tr.  |        | 19 | 7 | 53 | * ♀ ☾              | and more  |
| 15 | D | Leopold           | Libra  | 1  | 7 | 54 | warm.              | ♂ ♂ ☾     |
| 16 | E | ☉ 4 54 ♄          |        | 13 | 7 | 55 | ♂ ♀ ☾              | wet and   |
| 17 | F | ♂ 6 45 ☾          |        | 25 | 7 | 56 | windy.             |           |
| 18 | G | Octab. Mart.      | Scorp. | 7  | 7 | 58 | ☉ 6 56 ♄           |           |
| 19 | A | Elisabeth         |        | 19 | 7 | 59 | cloudy and cold.   |           |
| 20 | B | ☉ 8 58 ♄          | Sagit. | 2  | 8 | 0  | warmer weather     |           |
| 21 | C | 23 Sund. aft. Tr. |        | 15 | 8 | 2  | follows. * ♂ ☾     |           |
| 22 | D | Cecily            |        | 29 | 8 | 3  | * ♀ ☾              |           |
| 23 | E | ♀ 8 54 ♄          | Capr.  | 1  | 8 | 3  | Warm for the time; |           |
| 24 | F | ☉ 13 2 ♄          |        | 25 | 8 | 4  | but with showers.  |           |
| 25 | G | Quind. Mart.      | Aquar. | 9  | 8 | 5  | Δ ♂ ☾              |           |
| 26 | A | Conrade           |        | 22 | 8 | 6  | Great winds, with  |           |
| 27 | B | ♃ 15 48 ♄         | Pisc.  | 6  | 8 | 7  | slabby cold wet    |           |
| 28 | C | Advent sund.      |        | 20 | 8 | 8  | weather. * h ♂     |           |
| 29 | D | Term ends         | Aries  | 4  | 8 | 9  | ☉ 18 8 ♄           |           |
| 30 | E | Andrew Apost.     |        | 18 | 8 | 11 | Frost-like.        |           |

# December hath xxxi dayes.

Full moon the fifth day, 42 minutes past two morning.  
 Last quarter the 12 day, 30 minutes past 9 at night.  
 New moon the 20 day, 11 minutes past 5 at night.  
 First quarter the 27 day, 37 minutes past two afternoon.

|    |   |                |        |      |    |                     |      |
|----|---|----------------|--------|------|----|---------------------|------|
| 1  | f | Eligius        | Taur.  | 3 8  | 12 | ♂ ♀ ☾               | Snow |
| 2  | g | Candido        |        | 17 8 | 13 | or rain.            |      |
| 3  | a | ☉ 22 13 ♄      | Gem.   | 1 8  | 14 | ♂ 15 53 ♄           |      |
| 4  | b | Barbara        |        | 15 8 | 14 | windy ♂ ♀ ☾         |      |
| 5  | e | 2 Sun.in Adv.  |        | 29 8 | 15 | △ ♀ ☾ Mixed         |      |
| 6  | d | Nicholas       | Canc.  | 13 8 | 15 | weather, and some-  |      |
| 7  | e | ♀ 20 32 ♀      |        | 26 8 | 16 | thing warm.         |      |
| 8  | f | Conc. of Mary  | Leo    | 9 8  | 16 | ☉ 27 20 ♄           |      |
| 9  | g | Joachim        |        | 21 8 | 16 | Cool and            |      |
| 10 | a | ☉ 29 22 ♄      | Virg.  | 3 8  | 17 | misling.            |      |
| 11 | b | Sun in Capric. |        | 15 8 | 17 | △ ♄ ☾ Fa-           |      |
| 12 | c | 3 Sund.in Adv  |        | 27 8 | 17 | vourable and mild   |      |
| 13 | d | Lucie          | Libr.  | 9 8  | 17 | weather for winter. |      |
| 14 | e | ☉ 3 28 ♄       |        | 21 8 | 17 | h 11 58 ♄           |      |
| 15 | f | ♄ 19 48 ♄      | Scorp. | 3 8  | 17 | * ♄ ♀               |      |
| 16 | g | O Sapientia.   |        | 15 8 | 16 | Cloudy.             |      |
| 17 | a | Lazarus        |        | 27 8 | 16 | ☉ 6 32 ♄            |      |
| 18 | b | Christopher    | Sagit. | 10 8 | 1  | △ h ☾               |      |
| 19 | c | 4 Sund.in Adv  |        | 23 8 | 15 | * ♂ ☾               |      |
| 20 | d | ☉ 9 36 ♄       | Capr.  | 7 8  | 14 | Moist. ♂ ☉ ☾        |      |
| 21 | e | Thomas Apoll   |        | 21 8 | 14 | windy storms.       |      |
| 22 | f | Theodose       | Aquar. | 5 8  | 13 | * ♀ ☾               |      |
| 23 | g | Victor virg    |        | 19 8 | 12 | Snow ♂ h ☾          |      |
| 24 | a | ☉ 13 41 ♄      | Pisces | 3 8  | 11 | or rain.            |      |
| 25 | b | Christ born    |        | 17 8 | 10 | Wind and storms     |      |
| 26 | c | S. Stephen     | Aries  | 1 8  | 9  | Fairer and like to  |      |
| 27 | d | S. John Evang  |        | 15 8 | 8  | freez.              |      |
| 28 | e | Landcents day  |        | 29 8 | 7  | ♂ ♂ ☾               |      |
| 29 | f | ☉ 18 47 ♄      | Taur.  | 3 8  | 6  | Snow, or ☐ h ☾      |      |
| 30 | g | h 10 55 ♄      |        | 27 8 | 5  | dark weather        |      |
| 31 | a | Wilbester      | Gem.   | 11 8 | 4  | ♂ ♀ ☾               |      |

# SWALLOW.

The latter part of this  
ALMANACK  
for the year of our  
LORD GOD  
1652.

Being Bissextile, or Leap-yeare,  
and from the Conquest of *England*  
by *Duke William* 586.

Wherein we have a figure of the Heavens at the  
Suns entrance into *Aries*; the day and hour of  
the Suns entrance into the four Cardinall  
Signes; and other things related,  
worthy of observation, and fit  
for such a book.

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*Qui sapit, ille animum fortuna præparat omni,  
Prævisumque potest arte levare malum.*

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CAMBRIDGE:

Printed by the Printers to the  
*Universitie.* 1652.





The day and hour of the Suns entrance  
into the four Cardinal Signes this  
present year, 1652.

And first,  
*Of the Spring.*

**T**He Cardinal Signes are *Aries*, *Cancer*, *Libra*, and *Capricorn*, these being as it were the hinges on which the year hangeth, and by which it is divided into four quarters. These four quarters, among the Jews, were called *Tekupha's*, or *Conversiones anni*; two of which fall into the *Equinoxes*, when the dayes and nights are equal; and two into the *Solstitial* points, wherein there is as it were *Solis statio*, because for some dayes together, the Sun seemeth to stand still, the dayes not sensibly perceived either to lengthen or shorten. The late Rabbins of the Jews, do most of them begin the year from *Autumn*, as from its natural head: but the old Christian Fathers of the Church, reckon from the *Spring*.

The Signe with which this quarter enters, is *Aries*, into whose first minute the Sun cometh this year, on the 9 day of *March* at 8 a clock at night.

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Of Summer.

**T**He next quarter to this, is *Summer*: the Cardinal Signe belonging to it is *Cancer*; into which the Sun entreth this year on the 11 day of *June*, 22 minutes past 11 a clock before noon.

This word *Summer*, is in the Germane tongue, *Sun-mehr*, that is, *Plus solis*, or more Sun then at other times.

Of Autumn.

**T**He next after *Summer* is *Autumn*; his Signe is *Libra*, into which the Sun entreth this year, on the 12 day of *September*, 30 minutes past 2 a clock in the afternoon. This quarter takes his name from the Latine word, *Autumno*, which signifieth to make ripe. Or else it is *Autumn*, *à bonorum anni augmentati-  
one*, from the increase of the earth now gathered in.

Of Winter.

**V**Inter, the last quarter, is in Latine called *Hyems*, which seems to be derived from the Greek word, *ἵα*, which signifieth to make

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make moist or wet. His Sign is *Capricorn*, into which the Sunne entreth this year on the 11 of December, 35 minutes past one a clock in the morning.

And as for the temper of the weather in all and every of these quarters, I have already set it down ( according to what is probable ) in each severall moneth throughout the whole year, and shall therefore need to repeat nothing of it here again.

*Hæc duo solstitiū faciunt, Cancer, Capricornus:  
Sed noctes æquant Aries & Libra diebus.*

### The nature of the 12 Signes, and seven Planets.

*Aries, Leo, and Sagittarius*, are hot and dry signes.

*Taurus, Virgo, and Capricorn*, are cold and dry signes.

*Cancer, Scorpio, and Pisces*, are wet and cold signes.

Northern signes are these, *Aries, Taurus, Gemini, Cancer, Leo, Virgo*.

Southern signes are these, *Libra, Scorpio, Sagittarius, Capricorn, Aquarius, Pisces*.

*Saturn* is cold and dry, intemperate.

*Jupiter* is hot and moist, temperate.

*Mars* is hot and dry, intemperate.

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The *Sun* is hot and dry, temperate.

*Venus* is cold and moist, intemperate.

*Mercury* is variable, according to the nature of that Planet with which he is joyned, or aspected.

*Luna* the Moon is cold and moist, intemperate.

*How the Sun cometh to be Eclipsed.*

**A**N Eclipse of the Sun is nothing else, but the interposition of the body of the Moon between the Sun and the Earth, or between the Sun and our sight.

*How the Moon cometh to be Eclipsed.*

**T**he Sun never goeth from under the Ecliptick line, but the Moon hath five degrees of latitude on either side of the Ecliptick: at such full Moons then, as the Moon shall be little or nothing in latitude, and under the Ecliptick line, opposite to the Sun diametrically, then will she be Eclipsed, because then there will be an interposition of the Earths dark and grosse body between them, which will shadow the Suns light from the Moon, being of her self but a dusky shining, without the Suns reflection on her.

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*Of a Year.*

**I**N all matters Legal, the year begins not with  
us untill the 25 day of *March*, so that the  
year which doth beginne on the first of *Janu-*  
*ary* is the Julian year, instituted by *Julius*  
*Cesar.*

*Of a Day.*

A day, in all Legall or Law matters, is ac-  
counted but from Sun to Sun: so that one who  
hath a sum of money to pay on a set day by  
bond, need not tender his money before or af-  
ter Sun. This kind of day is that which we call  
an artificiall day; but a day naturall is to be ac-  
counted from midnight to midnight, and so  
do they reckon the day for indictments of mur-  
ther.

*Of Matthias in the leap-year.*

In every Leap-year, the 24 and 25 dayes of  
*February*, in suits at Law, are to be accounted  
both as one. But for keeping of Fairs, those  
which use to be on the 24 must be kept on  
the 25, because *Matthias* is not untill the 25  
when it is Leap-year.

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*Of the Prime.*

The Moon is said to be primed when she is three dayes and eighteen hours old, being then in her half quarter and four parts of the compasse eastwards from the Sun.

*Of the four Cardinal winds, together  
with their effects, in breeding or  
bringing Sicknesse.*

**T**He East wind called *Subsolanus*, breedeth in cholerick bodies sharp feavers, raging madnesse, and perilous Apostumations: in winter it is ever cold, it bloweth seldome in the night, and this one thing is proper to it, if that it do chance to bring rain, it continueth a whole day together.

The South-wind called *Auster*, is of nature hot and moist: it breedeth corrupt humours, and in hot bodies cramps, giddinesse in the head, or the falling sicknesse, pestilence, and cruel Feavers.

The West-wind called *Favonius*, is of nature cold and moist; it breedeth phlegme in moist bodies, it procureth sleep, breedeth Apoplexies, and the like. In the spring it greatly refresheth all things, brings abroad the blood,  
and

and the sound humours, which lay hid in winter, much refreshing the mind. Howbeit near the end of Autumn, when winter beginneth to approach, it then grows churlish both on sea and land.

The North-wind called *Septentrio*, is of nature cold, and it is good against the Pestilence, and yet in cold bodies it breedeth plurisies, coughs, gouts, and in some squinances; yet of all winds it is held to be the wholesomest, although it be the sharpest in our winter moneths

Note that what is spoken thus of their effects, is meant of their long standing in the said quarters.

Know also that a continual still Summer, is a signe of Plague or Earth-quake.

*Of Bloud-letting, and some other  
Physicall Observations.*

**I**N youth, let bloud from the change to the first quarter.

In middle age, from the first quart. to the full

In elder years, from the full to the last quarter

And in old age, from the last quarter to the change.

But know that under the age of 14, and above 56, it is not good to bleed at all.

Again in the *Canicular*, or *Dog-daies*, it is very



very hurtfull to take any physick, unlesse there be great need: and indeed necessity hath no law; wherefore in such a case, the disease being desperate, the cure must be adventured?

Take a purgation when the moon is in *Trine* or *Sextile* aspect with *Venus*, decreasing in any of these three signes, *Cancer*, *Scorpio*, or *Pisces*, and it will be sure to work the better, because when a moist planet in a moist signe hath such an aspect, the humours in the body are then stirred up and down, and so the better purged out. Wherefore in this case it cannot be amisse to prepare humours by something or other which is laxative: and let this be while the moon is either in *Gemini*, *Libra*, or *Aquarius*.

Take a vomit that it may work thoroughly, when the moon is in *Aries*, *Taurus*, or *Capricorn*. And know that the aspects of the moon in *Saturn*, or *Mars*, or the moon in *Leo*, ought to be eschewed, in the taking of medicines. Finally, if necessity urge no hast, these observations are expedient: for it is a plain truth, that the change of weather upon differing aspects, doth greatly change and alter our bodies.

*Things good for the eyes.*

**A**ll green colours, cold water, fennel, the water of white roses distilled, celendine, eye-bright, vervine, agrimony, cloves; and for hot eyes the juice of Houf-leek; softly boiled in the

the shell of a new-laid egg, till it be clean scummed, is very good.

*Things ill for the eyes.*

**T**O look much at red colours, or at fire, to read soon after supper, to eat garlick, onions, radish-roots, salt-meats, coleworts, and pulse, as also to drink wine that is both thick and sweet; smoke likewise and dust be very bad, and to anoint the eyes with Bats-bloud will clean put them out: according to the old proverb, *The bloud of a Bat will make a man see as well by night, as by day:* which may well be in him that cannot see at all.

*Things good for the Brain.*

**T**O smell to camomil, musk, or red-roses, to wash the temples often with rose-water, to eat sage measurably, to drink wine not overmuch, to keep the body-warm, to wash the hands often, to walk and sleep measurably, to eat mustard and pepper, and not to be troubled with too much noise.

*Things ill for the Brain.*

**L**Ate suppers, much sleep after meat, anger, to smell to a white rose, garlick, onions, much milk and cheese, to stand long against your use bare-headed, to eat hastily and overmuch, to eat too liberally on any kind of brains, much sweat  
in

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in labour or travell, and a besotted practise, or  
dayly course of drinking.

*Other notes fit to be known.*

**N**Ote that sixty minutes make an hour. Forty five minutes make three quarters of an hour. Thirty minutes make half an hour. Fifteen minutes make a quarter of an hour. Twelve inches make a foot. Three feet, or 36 inches make a yard. Three feet 9 inches, or 45 inches make an ell. Sixteen feet six inches make one pole or rod to measure land withall. Forty poles make one Furlong. Eight Furlongs make one mile.

*Observations for Husband-men,  
and others.*

**I**N *January* take away superfluous branches from fruit-trees, and prepare your ground for gardens, uncover tree-roots, cut your vines in some of the twelve dayes.

Set quick-fets, roses, and sallets, in the moneth of *February*. And now cover up the roots of your trees with good earth, which you opened in the beginning of *January*.

In *March* you may graft; but in planting and grafting chuse a warm time; wherefore let not the wind be in the *East* or *North*, because such winds are commonly nipping, especially being helped

helped by any aspect of the moon, with *Saturn* or *Venus*, in cold signes; as *Virgo*, *Capricorn*, *Taurus*, *Scorpio*, *Pisces*, or *Cancer*.

In the end of *April*, or beginning of *May*, set and sow tender herbs and seeds in your gardens, in a good temperature of air.

If you mean to preserve flowers or seeds, gather them in a full Moon; let the sun shine first upon them, and they will keep the better. But let them not be dried in the sun, lest the sun draw away part of their virtue.

Remove young trees either in the end of *October*, *November*, or *February*, the moon increasing: and be sure to set that side south which was south before; because it cannot endure the cold north.

Shear sheep the moon increasing, and their fleeces will grow the better again. The like observe for cutting of hair, the moon in *Taurus*, *Scorpio*, or *Libra*.

Geld cattel the moon in *Aries*, *Sagittarius*, *Capricorn*, being in her last quarter.

Gather all fruits that you mean to keep, in a dry time when the moon is at the full.

Sow all such seeds as have round roots ( as onions, leeks, turneps, &c. ) either three or four dayes before the full, or three or four dayes after the full.

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Of many and sundry Fairs in *England*, as they have heretofore been set forth by others, and are now continued for the use of many.

*January.*

**T**He 5 day at Hicketford in Lancashire: the 6 day at Salisbury: the thursday after at Banbury: the 23 at Gravesend, Bristol, Churchingford, Northallerton in Yorksh. every wednesday from Christmas untill June.

*February.*

The first day at Bromly in Lancashire: the 2 day at Reading in Barksh. Maidstone, Bicklesworth, Beckletfield, Bath, Lin, Bugworth: the 3 day at Borgrove: on Valentines day at Owndle in Northamptonshire, Feversham: the 24 day at Henly upon Thames, Baldoc: on Ashwednesday at Royston, Dunstable, Eaton, Tamworth, Tunbridge, Lichfield, Exceter, Ciceter: the first thursday in Lent at Banbury.

*March.*

The 3 day at Bremwel-braks in Norfolk: the 4 at Bedford: the 12 at Alsome in Norfolk, Sudbury, Woburn: the 13 at Wye, Bodwin in Cornwall: the 20 at Durham: the Munday before our Lady day at Kendal, Wisbich: the 25 day at Huntington, Northampton, Malden, Ashwel in Hartfordshire, Newcastle: Midlent at Saffron-walden in Essex: Goodfriday at Norwich: Palm-sunday-eve at Wisbich, Worcester, Pomfret.

*April.*

Easter munday at Oney in Bedfordsh. Gainsborough:  
Easter tuesday at Daintry in Northamptonsh. Godmon-  
chester.

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chester, Schole in Norfolk, S. Edmonds-bury: on Wednesday at Wellingborough in Northamptonsh. on Friday in the same week at Darby: on Saturday at Bicklesthworth: the 2 at Hitchen, Rochford, Northfleet: the 7 at Darby: the 9 at Billingsworth, Bicklesthworth: the 22 at Stabford: the 23 at Ipswich, Harbin in Norfolk, Northampton, Sapsar in Hartfordsh. Charing, Hinningham, Tamworth Bury in Lancashire, S. Pombs in Cornwall: the 27 at Dunmow in Essex, Oakham in Rutlandshire, Buckingham, Darby: the 26 at Tenderden in Kent, Cleci: the 30 at Beverly a week together.

### May.

The first day at Haveril in Essex, Layton. buzzard in Huntingtosh. Rippon in Yorksh. Reading, Maidstone, Tuxford in the clay: the 3 at Elstow in Bedfordsh. Nottaton in Warwicksh. Thedford in Norfolk, Chelmsford in Essex, Waltham Abby, Hinningham, Rochdale, Bramyard: the 7 at Newton in Lancashire, Beverly, Oxford: the 10 at Rochester, Dunstable, Magfield in Suffolk: on Rogation munday at Reach: on Ascention day at Thaxted, Beverly, Rippon, Sudminster, Bishop-stratford, S. Eedes, Wickham in Lancashire, Middlewich in Chesh. Chappel-frith in Darbyshire, on Whitsun-even at Skipton in Craven: on Whitsunmunday at S. Ives, Rygate in Surrey, Bicklesthworth, Bradford, Agmonsham in Buckinghamsh. on Whitsun-tuesday at Newmarket: on Wednesday at Roytton: on Thursday at Odehil in Northamptonshire: the 26 day at Lenham: the 29 at Crambrook,

### June.

On Trinity-eye at Rowel, Kendal: on Corpus Christi at Banbury, Bishopstratford, S. Eedes, Coventry, Newbury: the 9 at Maidstone: the 11 at Breme in Norfolk, Bardfield in Essex: the 17 at Hadstock: the 23 at S. Albans

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bans, Deerham in Norfolk, Shrewsbury: the 24 at Hals-  
on in Suffolk, Barnwel beside Cambridge, Bedford,  
Colchester, Rumford, Reading, Windsor, Halifax, Har-  
ford, Beverly, Haselinden: the 26 at Bristol Darby: the  
27 at Burton on Trent, Follstone: the 28 at S. Pombs in  
Cornwal: the 29 at Peterborough, Ashwell, Sudbury,  
Stebbing in Essex.

### July.

The 1, 2, and 3 dayes at Congleston in Chesh. the 7  
at Royston, Burntwood: the Munday after at Fodring-  
ham: the 11 at Partney for horses: the 20 at Uxbridge,  
Coolidge, Woodstock, Barkway: the 22 at Ickleton,  
Bickleworth, Norwich, Colchester: the 25 at Audly-  
end beside Walden, Reading.

### August.

The first day at Bedford, S. Eedes, Dunstable, Fever-  
sham, Wisbich, Bickleworth, Stonistratford: the 10 at  
Blackamore, Harply in Norfolk, Thaxted in Essex, S.  
Ives, Bedford, Banbury, Farnham, Brainford: the 15 at  
Cambridge, Huntington, Dunmow, Luton, Northam-  
pton: the 24 at London, Sudbury, Norwich, Oxford,  
Northallerton, Dover, Beggars bush, Burton: the 29 at  
Halsen in Suffolk, Harlow bush in Essex, Watford.

### September.

The first day at S. Giles in the bush. on Thursday &  
Friday next before the 8 day. at Sandbach in Chesh. the  
7, 8, 9. and 10 dayes at Woodbury-hill in Dorsetsh. the 7  
at Ware: the 8 at Huntington, Bury in Lancash. Par-  
ney, Wakefield, Northampton, and Sturbridge fair be-  
longing to Cambridge begins: the 14 at Rippon for hor-  
ses, Waltham-Abbey, Chesterfield in Darbshire, Rich-  
mond: the 21 day at Marleborough, Bedford, Baldox,  
S. Edmondsbury, Holden in Holdernefs, Braintry, Brack-  
lymaiden,



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lymaiden, Malden: the 29 at S. Ives, Basingstoke, Market-deeping, Shelford in Bedfordshire, Bishopstratford, Malden for horses, Stow in Lincolnshire; thursday after at Banbury.

### October.

The second at Salisbury: the 6 at Havent in Hampsh. Maidston, Coolidge, Gayworth by Lin, S. Faiths: the 8 at Bishopstratford, Harborough; the 9 at Gainsborough in Lincolnshire: the 13 at Windsor, Colchester, Gravesend: the 18 day at Ely, Bishopshatfield, Barnet, Banbury, Thirst, Burton on Trent: the 21 day at Saffron-Walden: the 23 at Bicklesworth: the 28 at Newmarket, Dis in Norfolk, Wakefield, Richdale in Lancashire.

### November.

The first day at Chelmsford: the 2 at Epping, Kingstone on Thames, Padambasson in Suffolk: the 6 day at Newport-pond, Bedford, Hartford: the 11 at Ludden in Norfolk, Lenton in Nottinghamshire, Hempton in Norfolk, Fockingham in Lincolnshire, Bridgstock in Northamptonsh. Marleborough: the 17 at Spalding in Lincolnshire, Harlow, Lincoln, Hide, Northampton: the 19 at Horsham in Kent: the 20 at S. Edmondsbury, Ingershstone in Essex, Heath: the 23 at Sandwich: the 30 at Baldock, Bareford, Kollingborough, Maidenhead, Warrington, Rochester.

### December.

The 5 at Pluckly: the 6 at S. Eedes, Woodstock, Spalding, Norwich in Cheshire, at Exeter, Senock in Kent, Arundell, Grantham: the 7 at Sandhurst: the 8 at Northampton, Clitheral in Lancashire, Huntington, Malpas in Cheshire: the 29 at Canterbury, Salisbury;



## The Character and Houses of the seven Planets, &c.

- 1 ♄ *Saturn*, His houses, *Capricorn* and *Aquarius*.
  - 2 ♃ *Jupiter*, His houses, *Sagittarius* and *Pisces*.
  - 3 ♂ *Mars*, His houses, *Aries* and *Scorpio*.
  - 4 ♀ The *Sun*, His house is *Leo*.
  - 5 ☿ *Venus*, Her houses, *Taurus* and *Libra*.
  - 6 ☿ *Mercury*, His houses, *Gemini* and *Virgo*.
  - 7 ☾ The *Moon*, Her house is *Cancer*.
- The Dragons head; ♀  
The Dragons tayl; ☿

And note that such or such a Signe, is called the house of such or such a Planet; because their Dominion is greater there then else-where, and so it is also for the houses of the Heavens, when the Sphear is divided into twelve parts.

Her

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Here followeth the time of Sun-setting, and length of the day, in our latitude of Cambridge.

## January.

| Days | The sun setteth. |   | Length of the day. |
|------|------------------|---|--------------------|
| 1    | 54 min.          | 3 | 7 hou. and 48 min. |
| 3    | 57 min.          | 3 | 7 hou. and 54 min. |
| 5    | 59 min.          | 3 | 7 hou. and 49 min. |
| 7    | 1 min.           | 4 | 8 hou. and 8 min.  |
| 9    | 4 min.           | 4 | 8 hou. and 8 min.  |
| 11   | 6 min.           | 4 | 8 hou. and 12 min. |
| 13   | 9 min.           | 4 | 8 hou. and 18 min. |
| 15   | 13 min.          | 4 | 8 hou. and 26 min. |
| 17   | 16 min.          | 4 | 8 hou. and 32 min. |
| 19   | 20 min.          | 4 | 8 hou. and 40 min. |
| 21   | 24 min.          | 4 | 8 hou. and 48 min. |
| 23   | 27 min.          | 4 | 8 hou. and 54 min. |
| 25   | 31 min.          | 4 | 9 hou. and 2 min.  |
| 27   | 39 min.          | 4 | 9 hou. and 12 min. |
| 29   | 40 min.          | 4 | 9 hou. and 20 min. |

## February.

| Days | The sun setteth |   | Length of the day.  |
|------|-----------------|---|---------------------|
| 1    | 45 min.         | 4 | 9 hou. and 30 min.  |
| 3    | 49 min.         | 4 | 9 hou. and 38 min.  |
| 5    | 52 min.         | 4 | 9 hou. and 44 min.  |
| 7    | 56 min.         | 4 | 9 hou. and 52 min.  |
| 9    | just at 5.      |   | 10 hours long just. |
| 11   | 4 min.          | 5 | 10 hou. and 8 min.  |
| 13   | 8 min.          | 5 | 10 hou. and 16 min. |
| 15   | 12 min.         | 5 | 10 hou. and 24 min. |
| 17   | 16 min.         | 5 | 10 hou. and 32 min. |
| 19   | 20 min.         | 5 | 10 hou. and 40 min. |
| 21   | 24 min.         | 5 | 10 hou. and 48 min. |
| 23   | 28 min.         | 5 | 10 hou. and 56 min. |
| 25   | 32 min.         | 5 | 11 hou. and 4 min.  |
| 27   | 37 min.         | 5 | 11 hou. and 14 min. |

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March.

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March.

| Dayes | The sun setteth. |   | Length of the day.   |
|-------|------------------|---|----------------------|
| 1     | 40 min.          | 5 | 11 heures 20 minutes |
| 3     | 44 min.          | 5 | 11 heures 28 minutes |
| 5     | 48 min.          | 5 | 11 heures 36 minutes |
| 7     | 53 min.          | 5 | 11 heures 46 minutes |
| 9     | 57 min.          | 5 | 11 heures 54 minutes |
| 11    | 2 min.           | 6 | 12 heures 4 minutes  |
| 13    | 6 min.           | 6 | 12 heures 12 minutes |
| 15    | 10 min.          | 6 | 12 heures 20 minutes |
| 17    | 14 min.          | 6 | 12 heures 28 minutes |
| 19    | 18 min.          | 6 | 12 heures 36 minutes |
| 21    | 22 min.          | 6 | 12 heures 44 minutes |
| 23    | 26 min.          | 6 | 12 heures 52 minutes |
| 25    | 30 min.          | 6 | 13 heures just.      |
| 27    | 35 min.          | 6 | 13 heures 10 minutes |
| 29    | 36 min.          | 6 | 13 heures 18 minutes |

April.

| Dayes | The sun setteth. |   | Length of the day.   |
|-------|------------------|---|----------------------|
| 1     | 43 min.          | 6 | 13 heures 26 minutes |
| 3     | 46 min.          | 6 | 13 heures 32 minutes |
| 5     | 50 min.          | 6 | 13 heures 40 minutes |
| 7     | 54 min.          | 6 | 13 heures 48 minutes |
| 9     | 58 min.          | 6 | 13 heures 56 minutes |
| 11    | 1 min.           | 7 | 14 heures 2 minutes  |
| 13    | 5 min.           | 7 | 14 heures 10 minutes |
| 15    | 9 min.           | 7 | 14 heures 18 minutes |
| 17    | 12 min.          | 7 | 14 heures 24 minutes |
| 19    | 16 min.          | 7 | 14 heures 32 minutes |
| 21    | 19 min.          | 7 | 14 heures 38 minutes |
| 23    | 23 min.          | 7 | 14 heures 46 minutes |
| 25    | 27 min.          | 7 | 14 heures 54 minutes |
| 27    | 31 min.          | 7 | 15 heures 2 minutes  |
| 29    | 35 min.          | 7 | 15 heures 10 minutes |

May

# Swallow 1652.

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May.

| Dayes | The sun setteth. |   | Length of the day.   |
|-------|------------------|---|----------------------|
| 1     | 39 min.          | 7 | 15 heures 18 minutes |
| 3     | 42 min.          | 7 | 15 heures 24 minutes |
| 5     | 44 min.          | 7 | 15 heures 28 minutes |
| 7     | 47 min.          | 7 | 15 heures 34 minutes |
| 9     | 50 min.          | 7 | 15 heures 40 minutes |
| 11    | 52 min.          | 7 | 15 heures 44 minutes |
| 13    | 55 min.          | 7 | 15 heures 50 minutes |
| 15    | 57 min.          | 7 | 15 heures 54 minutes |
| 17    | just at 8        | 7 | just 16 heures long  |
| 19    | 2 min.           | 8 | 16 heures 4 minutes  |
| 21    | 5 min.           | 8 | 16 heures 10 minutes |
| 23    | 7 min.           | 8 | 16 heures 14 minutes |
| 25    | 9 min.           | 8 | 16 heures 18 minutes |
| 27    | 11 min.          | 8 | 16 heures 24 minutes |
| 29    | 13 min.          | 8 | 16 heures 26 minutes |

June.

| Dayes | The sun setteth. |   | Length of the day.   |
|-------|------------------|---|----------------------|
| 1     | 14 min.          | 8 | 16 heures 28 minutes |
| 3     | 15 min.          | 8 | 16 heures 30 minutes |
| 5     | 16 min.          | 8 | 16 heures 31 minutes |
| 7     | 17 min.          | 8 | 16 heures 33 minutes |
| 9     | 17 min.          | 8 | 16 heures 34 minutes |
| 11    | 17 min.          | 8 | The dayes at longest |
| 13    | 17 min.          | 8 | 16 heures 34 minutes |
| 15    | 16 min.          | 8 | 16 heures 32 minutes |
| 17    | 16 min.          | 8 | 16 heures 31 minutes |
| 19    | 15 min.          | 8 | 16 heures 30 minutes |
| 21    | 14 min.          | 8 | 16 heures 28 minutes |
| 23    | 13 min.          | 8 | 16 heures 26 minutes |
| 25    | 12 min.          | 8 | 16 heures 24 minutes |
| 27    | 10 min.          | 8 | 16 heures 20 minutes |
| 29    | 9 min.           | 8 | 16 heures 18 minutes |

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July

# Swallow 1652.

## July.

| Days | The sun setteth. |   | Length of the day. |
|------|------------------|---|--------------------|
| 1    | 8                | 8 | 16 hou. 16         |
| 3    | 6                | 8 | 16 hou. 12         |
| 5    | 4                | 8 | 16 hou. 8          |
| 7    | 1                | 8 | 16 hou. 2          |
| 9    | 59               | 7 | 15 hou. 58         |
| 11   | 56               | 7 | 15 hou. 52         |
| 13   | 54               | 7 | 15 hou. 48         |
| 15   | 52               | 7 | 15 hou. 44         |
| 17   | 49               | 7 | 15 hou. 38         |
| 19   | 46               | 7 | 15 hou. 32         |
| 21   | 43               | 7 | 15 hou. 26         |
| 23   | 40               | 7 | 15 hou. 20         |
| 25   | 36               | 7 | 15 hou. 12         |
| 27   | 33               | 7 | 15 hou. 6          |
| 29   | 30               | 7 | 15 ho. just        |

## August.

| Days | The sun setteth. |   | Length of the day. |
|------|------------------|---|--------------------|
| 1    | 24               | 7 | 14 hou. 48         |
| 3    | 20               | 7 | 14 hou. 40         |
| 5    | 16               | 7 | 14 hou. 32         |
| 7    | 12               | 7 | 14 hou. 24         |
| 9    | 9                | 7 | 14 hou. 18         |
| 11   | 5                | 7 | 14 hou. 10         |
| 13   | 2                | 7 | 14 hou. 2          |
| 15   | 58               | 6 | 13 hou. 56         |
| 17   | 54               | 6 | 13 hou. 48         |
| 19   | 50               | 6 | 13 hou. 40         |
| 21   | 46               | 6 | 13 hou. 32         |
| 23   | 42               | 6 | 13 hou. 24         |
| 25   | 38               | 6 | 13 hou. 16         |
| 27   | 34               | 6 | 13 hou. 8          |
| 29   | 30               | 6 | 13 ho. just        |

September

# Swallow 1652.

September.

| Dayes | The sun setteth. |        | Length of the day. |
|-------|------------------|--------|--------------------|
| 1     | 14               | 6      | 12 hou. 48         |
| 3     | 10               | 6      | 12 hou. 40         |
| 5     | 16               | 6      | 12 hou. 32         |
| 7     | 12               | 6      | 12 hou. 24         |
| 9     | 8                | 6      | 12 hou. 16         |
| 11    | 4                | 6      | 12 hou. 8          |
| 13    | just at 6        |        | 12 hou. just       |
| 15    | 56               | 5 min. | 11 hou. 52         |
| 17    | 52               | 5 past | 11 hou. 44         |
| 19    | 48               | 5      | 11 hou. 36         |
| 21    | 44               | 5      | 11 hou. 28         |
| 23    | 40               | 5      | 11 hou. 20         |
| 25    | 36               | 5      | 11 hou. 12         |
| 27    | 32               | 5      | 11 hou. 4          |
| 29    | 28               | 5      | 10 hou. 56         |

October.

| Dayes | The sun setteth. |        | Length of the day. |
|-------|------------------|--------|--------------------|
| 1     | 14               | 5      | 10 hou. 48         |
| 3     | 10               | 5      | 10 hou. 40         |
| 5     | 16               | 5      | 10 hou. 32         |
| 7     | 12               | 5      | 10 hou. 24         |
| 9     | 8                | 5      | 10 hou. 16         |
| 11    | 4                | 5      | 10 hou. 8          |
| 13    | just at 5.       |        | 10 hou. just       |
| 15    | 56               | 4 min. | 9 hou. 52          |
| 17    | 52               | 4 past | 9 hou. 44          |
| 19    | 49               | 4      | 9 hou. 38          |
| 21    | 45               | 4      | 9 hou. 30          |
| 23    | 41               | 4      | 9 hou. 22          |
| 25    | 38               | 4      | 9 hou. 16          |
| 27    | 34               | 4      | 9 hou. 8           |
| 29    | 30               | 4      | 9 hou. just        |

November.

# Swallow 1652.

## November.

| Dayes | The sun setteth. |   | Length of the day. |
|-------|------------------|---|--------------------|
| 1     | 25               | 4 | 8 hou. 50          |
| 3     | 22               | 4 | 8 hou. 44          |
| 5     | 18               | 4 | 8 hou. 36          |
| 7     | 14               | 4 | 8 hou. 28          |
| 9     | 11               | 4 | 8 hou. 22          |
| 11    | 8                | 4 | 8 hou. 16          |
| 13    | 5                | 4 | 8 hou. 10          |
| 15    | 3                | 4 | 8 hou. 6           |
| 17    | 1                | 4 | 8 hou. 2           |
| 19    | 58               | 3 | 7 hou. 56          |
| 21    | 56               | 3 | 7 hou. 52          |
| 23    | 54               | 3 | 7 hou. 48          |
| 25    | 52               | 3 | 7 hou. 44          |
| 27    | 51               | 3 | 7 hou. 42          |
| 29    | 49               | 3 | 7 hou. 38          |

## December.

| Dayes | The sun setteth. |   | Length of the day. |
|-------|------------------|---|--------------------|
| 1     | 48               | 3 | 7 hou. 36          |
| 3     | 47               | 3 | 7 hou. 34          |
| 5     | 46               | 3 | 7 hou. 31          |
| 7     | 45               | 3 | 7 hou. 30          |
| 9     | 44               | 3 | 7 hou. 28          |
| 11    | 43               | 3 | 7 hou. 26          |
| 13    | 43               | 3 | 7 hou. 26          |
| 15    | 44               | 3 | 7 hou. 28          |
| 17    | 45               | 3 | 7 hou. 30          |
| 19    | 46               | 3 | 7 hou. 32          |
| 21    | 47               | 3 | 7 hou. 34          |
| 23    | 48               | 3 | 7 hou. 36          |
| 25    | 49               | 3 | 7 hou. 38          |
| 27    | 50               | 3 | 7 hou. 40          |

Note that as many min. as the sun sets after 3 4 5 6 7 8  
So many minutes it riseth before 9 8 7 6 5 4

F I N I S.